

Supplemental Information

SUPPLEMENTAL TABLE 3 Cancer Incidence Rates and APC of Rates in Children and Adolescents (Ages 0–19 Years) by Race/Ethnicity, United States, 2001–2009

ICCC Group	Non-Hispanic White			Non-Hispanic Black			Hispanic		
	Count	Rate ^a	APC ^b (95% CI)	Count	Rate ^a	APC ^b (95% CI)	Count	Rate ^a	APC ^b (95% CI)
All ICCC groups combined	74 965	180.03	0.0 (−0.5 to 0.5)	13 180	130.08	1.5 (0.3 to 2.7) ^c	24 421	168.94	0.6 (0.0 to 1.3)
I Leukemias, myeloproliferative, myelodysplastic diseases	18 364	44.89	−0.2 (−1.1 to 0.7)	2854	28.28	1.4 (−0.2 to 3.0)	8433	56.62	1.3 (0.1 to 2.6) ^c
I(a) Lymphoid leukemias	13 291	32.69	−0.1 (−1.2 to 0.9)	1707	16.99	2.0 (−0.4 to 4.5)	6326	42.25	1.6 (0.1 to 3.1) ^c
I(b) Acute myeloid leukemias	3149	7.58	−0.8 (−2.3 to 0.8)	735	7.25	−0.3 (−5.3 to 4.9)	1272	8.72	0.2 (−1.7 to 2.1)
I(c) Chronic myeloproliferative diseases	864	2.04	0.7 (−1.7 to 3.2)	202	1.97	—	360	2.51	1.9 (−4.7 to 9.0)
I(d) Myelodysplastic syndrome, other myeloproliferative	614	1.49	0.0 (−5.8 to 6.2)	119	1.17	—	228	1.49	−2.0 (−6.5 to 2.8)
I(e) Unspecified and other specified leukemias	446	1.08	−0.7 (−4.9 to 3.7)	91	0.90	—	247	1.65	3.0 (−2.5 to 8.8)
II Lymphomas and reticuloendothelial neoplasms	11 198	26.28	0.5 (−0.3 to 1.3)	2223	21.76	2.4 (−0.3 to 5.2)	3020	22.23	−0.9 (−1.9 to 0.2)
II(a) Hodgkin's lymphomas	5921	13.68	0.3 (−0.5 to 1.2)	1031	10.05	3.2 (0.4 to 6.1) ^c	1420	10.83	−0.2 (−2.5 to 2.1)
II(b) Non-Hodgkin's lymphomas (except Burkitt lymphoma)	3600	8.53	0.4 (−1.0 to 1.7)	939	9.20	1.1 (−2.6 to 4.9)	1089	7.99	−0.2 (−3.0 to 2.6)
II(c) Burkitt lymphoma	1202	2.91	0.4 (−2.9 to 3.8)	161	1.60	—	252	1.77	5.6 (−13.1 to 2.6)
II(d) Miscellaneous lymphoreticular neoplasms	348	0.86	5.3 (−0.3 to 11.2)	51	0.51	—	202	1.22	—
II(e) Unspecified lymphomas	127	0.30	—	41	0.40	—	57	0.41	—
III CNS and miscellaneous intracranial and intraspinal neoplasms	13 858	33.78	0.0 (−1.2 to 1.3)	2338	23.27	1.1 (−1.0 to 3.2)	3719	25.22	−1.0 (−2.6 to 0.6)
III(a) Ependymomas and choroid plexus tumor	1091	2.66	−1.4 (−4.6 to 1.9)	199	1.98	−1.7 (−9.1 to 6.2)	407	2.68	−2.3 (−6.5 to 2.2)
III(b) Astrocytomas	7162	17.41	−0.1 (−1.5 to 1.3)	1116	11.09	2.1 (−1.6 to 6.1)	1673	11.53	−0.5 (−2.8 to 1.9)
III(c) Intracranial and intraspinal embryonal tumors	2809	6.92	−0.1 (−2.2 to 2.1)	417	4.16	−1.4 (−3.4 to 0.6)	875	5.76	−2.1 (−5.2 to 1.1)
III(d) Other gliomas	2356	5.72	1.2 (−0.7 to 3.1)	439	4.39	2.1 (−1.8 to 6.2)	628	4.32	−1.4 (−6.5 to 4.0)
III(e) Other specified intracranial/ intraspinal neoplasms	251	0.61	−3.3 (−8.9 to 2.7)	117	1.16	—	73	0.50	—
III(f) Unspecified intracranial and intraspinal neoplasms	189	0.46	—	50	0.49	—	63	0.43	—
IV Neuroblastoma, other peripheral nervous cell tumors	3893	9.70	−0.9 (−2.8 to 1.0)	719	7.15	1.3 (−2.8 to 5.5)	920	5.40	−2.3 (−6.0 to 1.4)
IV(a) Neuroblastoma and ganglioneuroblastoma	3807	9.49	−1.0 (−2.8 to 0.9)	698	6.95	1.3 (−2.5 to 5.2)	893	5.21	−2.9 (−6.5 to 0.9)
IV(b) Other peripheral nervous cell tumors	86	0.20	—	21	0.21	—	27	0.19	—
V Retinoblastoma	1034	2.58	−0.6 (−2.3 to 1.1)	359	3.55	−0.1 (−3.0 to 2.8)	600	3.43	−0.7 (−5.2 to 3.9)
VI Renal tumors	2778	6.90	−0.1 (−1.6 to 1.5)	831	8.30	2.9 (1.8 to 4.0) ^c	825	5.05	0.5 (−3.0 to 4.0)
VI(a) Nephroblastoma, other nonepithelial renal tumors	2548	6.36	−0.3 (−1.7 to 1.1)	706	7.08	2.8 (1.5 to 4.0) ^c	763	4.58	−0.1 (−3.6 to 3.6)
VI(b) Renal carcinomas	215	0.50	3.6 (−2.5 to 10.1)	121	1.18	—	59	0.45	—
VI(c) Unspecified malignant renal tumors	—	—	—	—	—	—	—	—	—
VII Hepatic tumors	826	2.02	1.0 (−1.8 to 3.8)	150	1.48	—	363	2.25	3.5 (−5.6 to 13.4)
VII(a) Hepatoblastoma	592	1.48	0.7 (−2.6 to 4.1)	94	0.93	—	274	1.59	3.1 (−6.5 to 13.7)
VII(b) Hepatic carcinomas	224	0.52	1.8 (−3.7 to 7.5)	55	0.54	—	87	0.65	—
VII(c) Unspecified malignant hepatic tumors	—	—	—	—	—	—	—	—	—
VIII Malignant bone tumors	3931	9.28	−1.0 (−2.2 to 0.2)	752	7.37	−0.9 (−4.8 to 3.3)	1255	9.49	0.5 (−1.7 to 2.7)
VIII(a) Osteosarcomas	1967	4.63	−0.7 (−2.6 to 1.3)	601	5.89	−1.1 (−6.0 to 4.1)	770	5.87	0.8 (−1.7 to 3.7)

SUPPLEMENTAL TABLE 3 Continued

ICCC Group	Non-Hispanic White			Non-Hispanic Black			Hispanic		
	Count	Rate ^a	APC ^b (95% CI)	Count	Rate ^a	APC ^b (95% CI)	Count	Rate ^a	APC ^b (95% CI)
VIII(b) Chondrosarcomas	172	0.40	—	23	0.22	—	38	0.29	—
VIII(c) Ewing tumor and related sarcomas of bone	1544	3.67	-1.5 (-3.7 to 0.7)	65	0.64	—	349	2.60	0.7 (-3.2 to 4.7)
VIII(d) Other specified malignant bone tumors	179	0.42	—	39	0.38	—	60	0.45	—
VIII(e) Unspecified malignant bone tumors	69	0.16	—	24	0.24	—	38	0.28	—
IX Soft tissue and other extraosseous sarcomas	5027	12.04	0.0 (-0.8 to 0.7)	1307	12.85	1.9 (-0.1 to 3.9)	1628	11.49	-0.2 (-2.2 to 1.8)
IX(a) Rhabdomyosarcomas	1987	4.84	-2.3 (-4.7 to 0.2)	508	5.04	3.0 (-1.8 to 7.9)	654	4.42	0.2 (-4.7 to 5.4)
IX(b) Fibrosarcomas, peripheral nerve, other fibrous	555	1.32	2.2 (-1.7 to 6.5)	149	1.46	—	198	1.40	-6.7 (-10.9 to -2.3) ^c
IX(c) Kaposi sarcoma	—	—	—	—	—	—	—	—	—
IX(d) Other specified soft tissue sarcomas	1977	4.67	0.9 (-1.5 to 3.3)	504	4.93	1.4 (-2.2 to 5.1)	616	4.53	0.6 (-2.3 to 3.7)
IX(e) Unspecified soft tissue sarcomas	501	1.19	3.1 (-1.3 to 7.7)	134	1.31	—	156	1.11	—
X Germ cell, trophoblastic tumors, neoplasms of gonads	4744	11.03	0.1 (-1.6 to 1.7)	634	6.18	1.5 (-0.1 to 3.0)	1900	14.26	1.8 (-0.6 to 3.8)
X(a) Intracranial and intraspinal germ cell tumors	669	1.59	0.9 (-3.1 to 5.0)	97	0.95	—	243	1.81	-0.3 (-4.8 to 4.4)
X(b) Extracranial and extragonadal germ cell tumors	551	1.35	-0.6 (-4.9 to 3.8)	148	1.45	—	246	1.66	-4.5 (-7.8 to -1.2) ^c
X(c) Malignant gonadal germ cell tumors	3223	7.40	0.1 (-1.7 to 1.8)	331	3.22	3.5 (-0.8 to 8.0)	1304	9.96	2.5 (-0.7 to 5.8)
X(d) Gonadal carcinomas	179	0.41	2.0 (-2.4 to 6.5)	16	0.16	—	65	0.51	—
X(e) Other and unspecified malignant gonadal tumors	122	0.28	—	42	0.41	—	42	0.32	—
XI Other malignant epithelial neoplasms and melanomas	8984	20.74	0.3 (-0.1 to 1.6)	934	9.09	1.4 (-2.9 to 5.9)	1639	12.67	4.5 (2.7 to 7.1) ^c
XI(a) Adrenocortical carcinomas	100	0.24	—	—	—	—	30	0.20	—
XI(b) Thyroid carcinomas	3393	7.81	4.0 (1.9 to 6.2) ^c	243	2.36	6.8 (0.7 to 13.2) ^c	838	6.53	9.1 (5.4 to 12.8) ^c
XI(c) Nasopharyngeal carcinomas	141	0.33	—	176	1.71	—	61	0.48	—
XI(d) Malignant melanomas	3499	8.08	-3.5 (-6.3 to -0.5) ^c	52	0.51	—	218	1.64	-2.0 (-5.7 to 1.9)
XI(e) Skin carcinomas	38	0.09	—	—	—	—	—	—	—
XI(f) Other and unspecified carcinomas	1813	4.19	1.0 (-0.3 to 2.2)	447	4.35	-0.6 (-4.5 to 3.4)	485	3.78	1.1 (-1.9 to 4.1)
XII Other and unspecified malignant neoplasms	328	0.78	-1.3 (-5.6 to 3.2)	79	0.77	—	119	0.83	—

^a Rates are per million and were age-adjusted to the 2000 US standard population (19 age groups, Census P25-1130) standard. Rate statistics were not displayed if case count was <16 cases.^b APCs were calculated by using weighted least squares method. Statistical significance was determined if the 95% CI of APC did not include zero ($P < .05$). APC was not calculated if case count was <16 cases in any 1 year. Some significant values appear to include zero because APC was rounded to the nearest 10th.^c Denotes significant APC.

SUPPLEMENTAL TABLE 4 Cancer Incidence Rates and APC of Rates in Children and Adolescents (Ages 0–19 Years) by Region and by Race or Ethnicity, United States, 2001–2009

	White			African American		
	Count	Rate ^a	APC ^b (95% CI)	Count	Rate ^a	APC ^b (95% CI)
Total	97 765	177.91	0.0 (−0.5 to 0.5)	13 779	127.29	1.3 (0.2 to 2.5) ^c
Northeast	19 148	189.93	0.1 (−0.5 to 0.8)	2859	135.88	0.5 (−0.5 to 1.5)
Midwest	23 857	174.84	0.1 (−0.4 to 0.6)	2839	124.09	0.1 (−2.3 to 2.6)
South	29 430	174.72	0.0 (−0.7 to 0.7)	6766	129.18	2.6 (1.3 to 3.8) ^c
West	25 330	176.34	−0.1 (−1.1 to 1.0)	1315	109.97	−0.4 (−2.2 to 1.5)
	Non-Hispanic			Hispanic		
	Count	Rate ^a	APC ^b (95% CI)	Count	Rate ^a	APC ^b (95% CI)
Total	95 716	171.66	0.3 (−0.2 to 0.7)	24 421	168.94	0.6 (0.0 to 1.3)
Northeast	20 452	185.16	0.2 (−0.6 to 1.1)	3247	170.86	0.3 (−1.3 to 2.0)
Midwest	25 952	171.57	0.3 (−0.5 to 1.0)	2304	162.76	0.9 (−1.6 to 3.5)
South	29 692	162.39	0.7 (0.0 to 1.5) ^c	8281	177.72	−0.3 (−1.1 to 0.5)
West	19 620	173.62	−0.3 (−1.3 to 0.7)	10 589	163.47	1.3 (0.1 to 2.5) ^c

^a Rates are per million and were age-adjusted to the 2000 US standard population (19 age groups, Census P25-1130) standard. Rate statistics were not displayed if case count was <16 cases.

^b APCs were calculated by using weighted least squares method. Statistical significance was determined if the 95% CI of APC did not include zero ($P < .05$). APC was not calculated if case count was <16 cases in any 1 year. Some significant values appear to include zero because APC was rounded to the nearest 10th.

^c Denotes significant APC.